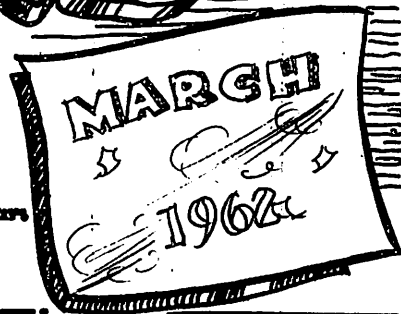




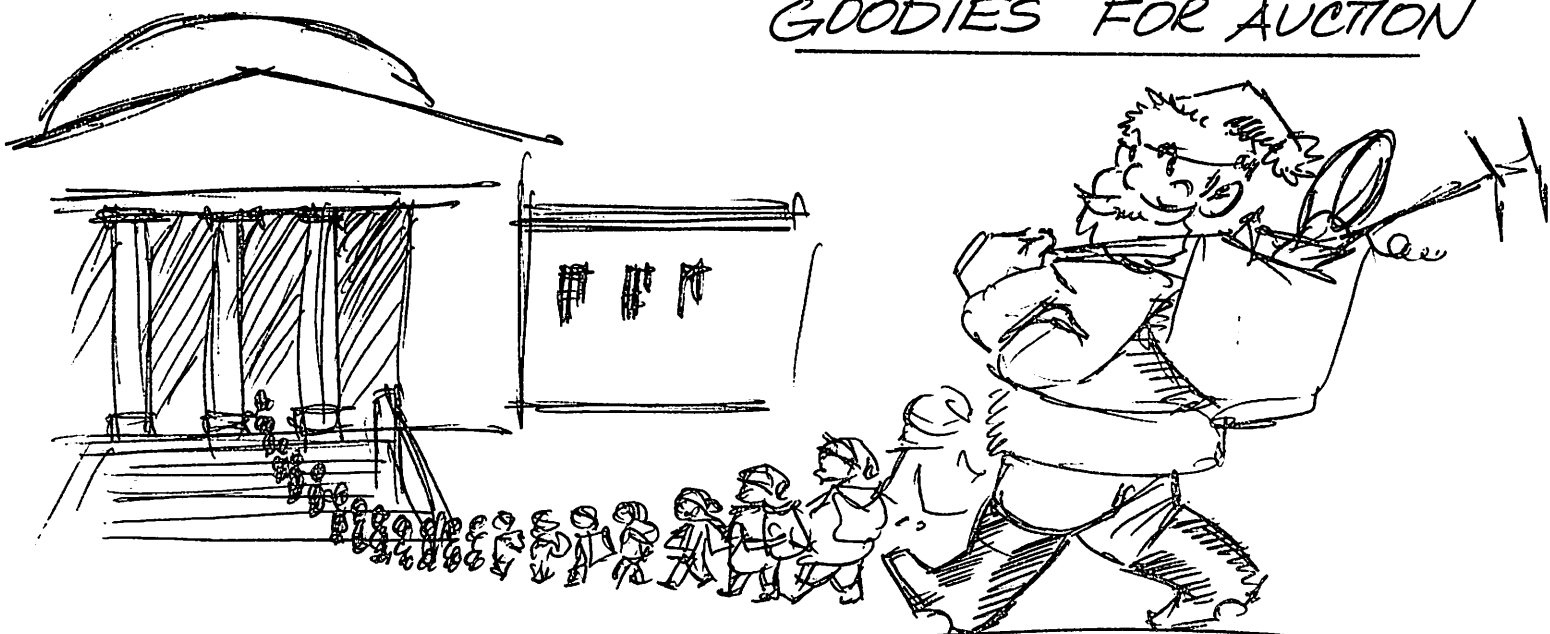
THE BLURB

PHILMONT MOBILE RADIO CLUB INC.



DONATE YOUR GOODIES
TO
PHILMONT FREEBE *Auction*
MARCH 5

EVERYONE IS
BRINGING IN THEIR
GOODIES FOR AUCTION



NEWS FLASH

F.C.C. PROPOSES \$5⁰⁰ FEE FOR ALL
NEW, RENEWED OR MODIFIED LICENSE'S

EDITOR

Charles Stouth W3ZPP Tel. 265-2284
261 Prince Frederick Rd.
King of Prussia, Penna.

STAFF

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Cartoonist	SAM
Technical Editor	K3HIJ
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Boss Stitcher	K3DJE
Printer	K3GNM
Collator	W3QQH

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, W3ZPP, before the 15th of the month.

1961 CLUB OFFICERS

Pres.	Lloyd Sherman	W3CDY
V. Pres.	Chas. Greenwood	W3GOW
Treas.	Bob Diefenderfer	K3DJE
Sec.	Enos Bartol	K3GNJ

Board of Dir: W3's NIP, VVS, QQH,
AWH, AK, DSG,
WNC and all 1961
club officers

MEETINGS

Regular meetings are normally held on the 1st Monday of the month. Check the calendar at right for the exact date. Meetings are held at the FRANKLIN INSTITUTE at 21st and the Parkway, starting at 2000 hours (8:00 P.M.)

NET AND NET FREQUENCIES

Ch 1 - 29493 Kcs.	Ch 3 - Unassigned
Ch 2 - 29629 Kcs.	Ch 4-50.7 Mcs.
Orange Juice Net	0700 - 0730
Scrambles Egg Net	0730 - 0830
Weekdays	
Ten on Ten Sundays	1000 - 1100
Blarney sessions any	Ch 1 or 2 time
29493 Monitored daily	0930 - 2400

for the benefit of mobiles in the Phila. area.

PMRC CALENDAR

March 5 Regular Monthly Meeting
8 P.M. Franklin Institute

Mid Month Meeting
March 14 - W3YHV

THE PREZ SEZ

"W3CDY on Phil-Mont channel 1 and monitoring" Sure is a beautiful night, clear and quiet. The frequency seems just as quiet - Sssh Sssh - Yep receiver's working - Guess the gang's all talked out. These new highways sure are smooth, seems you just glide along. What a view from here of a huge American Metropolis laying before us. There's Devon - Charlie GOW's QTH the VP, Mt Airy where Ernie lives K3GNJ, the sec't, around here is Bob K3DJE's QTH the treasure, here lives an ex Pres., there another and another, see all those Co-Ax Antennas? Those special ones theit the QTH's of Phil-Mont members. They really cover the area. There, big as you please is old Billy Penn. Over there, just to the right see that building? that is the Franklin Institute, named after a great American, Ben Franklin. Thats the home of Phil-Mont. Lets move a bit closer. It sure is a fine Institution. It stands for progress, as you will see clearly depicted by their displays of the old as well as the new. Might just as well go inside. Thats strange the guard paid no attention when we came inside. This is the Communication Hall - over here - see this new display? Now we get closer we see the enclosure has large glass windows supported by a lower wall of wood paneling. Along the wass are several telephone handsets. Peering thru the windows we see an operator seated at a console. Looks like a Radio Station! The gear is all Collins. Everything fits in the console- look at the matching top- the design- blends gear and console into one- that looks like ham gear. Boy what a beauty. Look on the wall- that large illuminated map. A bright wedge lights part of the map - the wedge - thats it - its the beam. The fellow operating surely looks happy. Whats he saying - grab a handset - sure its him -- making a contact, listen to him. He not only looks happy but also his voice rings with joy and pride-- and whos voice wouldn't, with a rig like that. Who is he talking to - didn't get it, he signed W3TKQ--that was the call above the door - lets look again - There is is, W3YKQ, Phil-Mont Mobile Radio Club. As we slide away retaining this mental picture of that beautiful station, that happy operator on W3TKQ- Phil-Mont Mobile Radio Club. Away we slip - past the crowd thru the hall - outside- dreamily floating with these visions of a moment ago. Listen, hear him calling, He's calling you! thats right 29.493 - side band - what a signal - F.B.O.M. He sure is proud. The tone of his voice depicts the essence of the entire station. Gosh, look at all of those fellows listening - all listening to him, W3TKQ, all waiting for him to stand-by - all want to work him. More fellows tuning to the frequency to listen. They must have read about it or possibly talked to one of the Phil Mont boys. The frequency sure will be hot. Thats it W3TKQ standing by - whwer's the mike? - I cant find it. "Hey will you shut up and go back to sleep- and what are you looking for anyway." "Yes dear" Boy or Boy--The Franklin Institute, Phil Mont Mobile Radio Club, Collins Gear, and Amateur Radio W3TKQ! HAM UTOPIA U.S.A.

Be W3CDY

FIRST UNDERWATER HAM STATION

W4NWK (U.S.S. Cutlass)

Enroute to the Caribbean for SPRINGBOARD 1962, USS Cutlass (SS-478) began active operation of the first underwater "Ham" radio station.

Authorized by the Chief of Naval Operations on 9 Nov. 1961, the station transmits under the call sign W4NWK, the personal call of Lieutenant Commander J. D. Reilly, Jr., USN Commanding Officer of the Cutlass. In the first two weeks of operation, 250 separate contacts were made, including 31 states, the District of Columbia, (including the Pentagon) and 15 foreign countries. The longest range contact was made with station KC4USB in Marie Byrd Land, Antarctica while the ship was at periscope depth. (The major portion of all contacts was made while submerged.)

The novelty of W4NWK's location has usually brought in more answering stations than can be handled, within minutes of the initial "CQ" signal, and indicates the possibility of a new FCC "HAM" designation of Maritime/Mobile (Underwater)"

While the station has been in operation for only a short time, regularly scheduled contacts with the ship's home port of Norfolk have been made through the courtesy of station K4TGA. The crew of the Cutlass is now able to call their homes through a phone patch system from any point on or below the Atlantic.

Cutlass is a unit of Submarine Squadron Six, based at Norfolk and was very recently awarded Commander Submarine Force Atlantic's Green "C" for Communications Excellence, as well as the Battle Efficiency Pennant for Submarine Squadron Six.

PHIL-MONT ON TV

Don't forget Phil-Mont Mobile Radio Club will be subject of a TV program to be televised over WRCV at 1:30 on 24th. March----Video taping will take place on 21st. March.

Get your friends and family to watch.

NEW ASSOCIATE MEMBER

"Harry" C. Baynard 231 Glentay Road, Lansdowne, Penna.

Harry has been known to most of us by now because of his faithful attendance to our meetings. We are most happy to welcome Harry as an associate of PMRC and hope to see him at all future meetings.

Starting with this issue of our "Blurb", I will write a paragraph or two which will serve to bring everyone up to date on the latest information regarding W3TKQ, our amateur station at the Franklin Institute. In addition, I expect to give the usual committee reports at our business and general meetings.

Many things have been accomplished since the first meeting of the Committee for W3TKQ. I remember so well the good natured jibes we received when I read our first recommendations for the station, at our regular meeting just about a year ago. Of course we had set our sights high, but the Franklin Institute and Phil-Mont could have nothing but the very best. It reflects well on our membership that our high ideals for W3TKQ were approved unanimously. It was then only a very short step to have them heartily endorsed at the Franklin Institute by Laurence, W3QCV and Mr. Neathery the Institute Director.

In the months that followed letters were written to various manufacturers by W3QCV, as President of the Franklin Institute. There were some disappointing answers, but low and behold, the best of them all, Collins, came back at us with a very very encouraging answer. After many letters back and forth, the whole matter "got hot".

The offer of the complete Collins line for W3TKQ arrived along in December, and complete in this case includes a fabulous operating console, of which we now have a picture, and it is out of this world! Of course, as with most good things in this world, some compromise was necessary. It was stipulated that no other equipment was to be displayed in the vicinity of this new gear. It was finally worked out that our intercom and the two meter gear, which is strictly "ham" made would be excepted. The present AM equipment will be retired. It may occasion a bit of sadness on our part to not have the station on AM on all frequencies, but for now this is it.

Toward the end of Jan 1962, the new equipment was shipped and presently is on hand at the Institute. It has not been unpacked so far and will not be until the next item on the agenda becomes a fact. That, of course, is the new enclosure. The space for the new station is at the NW corner of Electrical Hall. The committee for the Station enclosure met at the Sheraton for lunch on Feb. 12 and plans were laid for building the enclosure. So far we have many interesting innovations worked out for it. These include air conditioning, recessed lighting, sloping glass sides, sound proofed ceiling, heavy floor carpeting (might even be red) listening post outside for visitors and a huge world map on the wall behind the console, suitably lighted showing the direction the beams are pointing. Now is the time for any new ideas from the rest of the gang! Please offer them in writing to the committee members: W3QCV, W3EQV, W3NIP, W3CDY, or myself, W3ADV.

Mr. Neathery reports that the money for the enclosure is available and the sooner the better! This means that we should see some action within the next several weeks, with completion and Station Opening sometime in the Spring.

With all these wonderful thing happening, the new year 1962 promises to be a great one for all concerned with W3TKQ. This is a good time to remind ALL of the proud thoughts that have been put down by your committee, for Station operation. Let us all live up to these fine operating practices and we will have the world's best amateur radio station.

Fred W3ADV
Trustee for W3TKQ

MORE POWER FOR DX-100's (Florida Skip)

Best Radio Service, 610 N. Madison Ave., Goldsboro, North Carolina is offering a kit of parts including everything (tube, subchassis, schematic, etc.) needed for adding an additional 6146 final tube to the transmitter enabling you to run an input of 240 watts on AM or 300 watts SSB and CW. Drop a card to the address above for the full information in question-answer form. The modification is easy, makes provision for more audio for AM, won't overload the power supply, will take only 3 or 4 hours to do and costs only \$19.95 including instructions and all necessary parts. The transmitter will operate as before except that the plate and grid current will be 50% higher with a proportional increase in output power.

NEW MEMBERS

William W. Weisbord W3KL Handle "Bill"
4949 Parkside Ave. Phila. 31, Pa. Wife's name: Ida Home Phone TR 7 0726
Employed by: Regent Printing Co. 1407 North St. Phila. Pa. Bus. Phone PO 3 8877
Sponsored by: W3WPD and W3FWI

Donald Kling W3DGG Handle "Don"
7634 Sherwood Rd. Phila. 51, Pa. No wife "yet" Home Phone GR 3 8692
Employed by: Radio Station W I P 19th & Walnut St. Phila. Pa. Bus. Phone LO 8 2900
Sponsored by: W3WPD and K3HIJ

Robert B. Lehman KN3RKH Handle "Bob"
3534 Caley Rd. Newton Square, Pa. Wife's name: Joan Home Phone EL 6 4286
Employed by: Robert L. Wilkinson Inc. Box 215 Glenside, Pa. Bus. phone HA 4 8400
Sponsored by: W3BSG and W3WNC

NEW SERVICE CENTER

New 24 hour centralized Customer Emergency Service Center has been established by Collins Radio, in Cedar Rapids, Iowa, to provide its customers with immediate action on any critical problem. A direct phone, EMpire 5 3600, installed at the center is being manned day and night.

INCOMMUNICADO

Don't talk with the following" Cambodia FI8, XU; Indonesia PK, YB-YH; Laos XW8; and Viet Nam FI8, XV, 3W.

SPORTS CAR RALLY

W3JYA told the Jan. 17th. mid-month gang at WNC's that the Rose Tree Motor Club wanted communication assistance for an all night Sports car rally to be held on Sat. night Jan. 27th. After one phone call, Jim said the area would be bounded by Downingtown, Media and Reading. Two nights later, when JYA, DJW. and UMK met with the rally master, Evan Bennett, it was learned that the area covered the Downingtown, Fredericksburg (on route U.S. 22 and about 30 miles west of Hamburg, Lehigh, Reading and Media, so it was decided to contact Al Breiner, SCM for E. Penna section to try and get hams in the Hazleton, Scranton Wilkes-Barre area to cover the three northern most check points. Jack called Al on Monday night but on Friday night the 26th the eve of the rally Al told Jack that he had been unable to get any volunteers, the key stumbling block was that the hams in the area were pretty well committed to an activity on Sun. the 28th and hence were not too keen on five to six hours of operating after midnight Sat. the 27th.

In the interim JYA and his committee met Monday, Wednesday and Friday nights at the QTH of JYA to plan means for covering all eight check points, if necessary. The wrap up meeting was held at UMK's Sat. at 1 PM. and at 5:30 UMK accompanied by Fran Ringer and Arnie, W3VDN went through the turnpike entrance at Valley Forge en route to check point #2 at Esther's diner on U.S. 22 a little north of Lebanon, KDP and WMO aboard, worked HQJ on the way up the turnpike and caught up with UMK around Lebanon. A little later, Arnie left in the com truck for Mt. Penn with Frank K3NDC and Don HMK aboard. Al, GIP also took his mobile to Mt. Penn, JYA accompanied by Carson Morris, headed for check point #4 near Palmerton, EZJ and his brother-in-law went to check point #6 just across the mts. above Hamburg, while DJW and Dick, WMO too the first shift at FTZ's in Newtown Square. Through HPY, the committee was fortunate in getting John Lybrand K3GXV to handle the two meter terminus at the Towne House in Media. (John operated there from about 9 PM. until 6 AM. with the aid of a couple of the scorers who were working up the data coming in by radio). HPY took over at 6, at FTZ's, CDY and the host took over at 2 AM. and DJW and WMO left for check point #8 via Mt. Penn. The other mobile that was operating was a Messenger installed in the rally masters car by JYA and operated by Arnie, W3VDN. The rally master met the scorers and the assigned mobile at each check point one hour before the final car was due, and the scorers and the mobile were to remain until one hour after the last sport car was scheduled to arrive, or a total of about 4 hours at each check point, and 120 cars started from Downingtown at one minute intervals at 6 PM. (The Towne House scorers took care of the first check point) ADV took the 6 AM to finish link from Mt. Penn to Media as EM took the East Able Fox net for Fred that Sunday. DSG was going to take the finish at the intersection of Routes 100 and 401 above Exton but most cars were running over one hour behind schedule, the rally ended at #8 with KDP coming over from #2 and #3 to cover #7 a few miles away. Many of the mobile group had breakfast at the Towne House, thru the courtesy of the Rose Tree Sports Car Club and checked in with LNQ on the ten on ten en route home to bed. All present voted to do it again next year.

de

Dick W3UMK

STANDARD PROGRESS REPORT

During the report period which ended 1 Dec. 1961 considerable progress has been made in the preliminary work directed toward the establishment of the initial activities. (We are getting ready to start, but we haven't done anything yet.) The background information has been surveyed, and the functional structure of the component parts of the cognizant organization has been clarified. (We looked at the assignment and decided that George would do it.)

Considerable difficulty has been encountered in the selection of optimum materials and experimental methods, but this problem is being attacked vigorously and we expect that the development phase will proceed at a satisfactory rate. (George is looking through the handbook.) In order to prevent unnecessary duplication of previous efforts in the same field, it was necessary to establish a survey team which has conducted a rather extensive tour through various facilities in the immediate vicinity of manufacturers. (George and Harry had a nice time in New York.)

The Steering Committee held its regular meeting and considered rather important policy matters pertaining to the over-all organizational levels of the line and staff responsibilities that devolve on the personnel associated with the specific assignments resulting from the broad functional specifications. (Untranslatable----sorry) It is believed that the rate of progress will continue to accelerate as necessary personnel are recruited to fill vacant billets. (We'll get some work done as soon as we find someone who knows something.)

de

J in W3JYA

PEA SIZED RADIOS

(JQLF, Lockport, N. Y.) The concept of molecular electronics may lead to the development of a complete receiver the size of a pea. Development of this concept may mean the eventual elimination of such components as resistors, capacitors, diodes, and transistors.

The technique which will be used was recently demonstrated by the U.S.A.F. and the Westinghouse Electric Corporation in Washington, D. C. Semiconductor crystals are grown in the form of long, thin, near-perfect ribbons, or dendritic strips. The strips can be incorporated into finished semiconductor devices without intermediate material processing of any kind.

Recently demonstrated by Westinghouse was a pre-amplifier which was the size of a match head. Also demonstrated was a wafer sized direct current power amplifier that requires only the energy from a flashlight beam to control 40 watts of power for two 12 volt automobile headlights.

(Metre Modulator)

CHANNEL CHATTER

Eight of Burrough's R.C. too WNC to dinner at Bella Villa on Route 202 in appreciation for his services as auctioneer-----The Institute News gave W3TKQ and FMRC a nice write-up in their last issue-----The AAA is now reporting traffic conditions week days on WCAY, WRCV, and WIP at 7:35, 8:10 and 8:35-----UQV admitting on the orange juice net that he didn't have JYA's address in his callbook, W3UMK wonders whether FCC has to query Washington office for such changes?-----W3UMK's first SSB contact on 75 was with Steve, W2MEA at Mays's Landing, who doesn't recall hearing EQV on air in summer-----K3GNM back from San Diego---W3YHV back from Dallas where he went to school at Collins for five weeks---the two brothers would make a good SSB team-----UQV surprised to CHZ's signal so well while he was mobile in Center city---GIF having mobile trouble---OMK working with two meter antenna's for his Sonar---EQV lost up in the north and QQH and LEM giving him directions---GET YOUR DUES IN NOW---MARCH FIRST is deadline if you are to appear in new directory---sorry to hear QV pulled a ligament---Reading Radio Club banquet March 31st. at Crystal Restaurant, Reading, many prizes including Clegg 99'er- Ed Clegg is speaker and the tickets are \$5.00 before 26th, and \$7.50 after that, contact W3UMK or K3GNW lots of Philmonters going---William G. Welsh W1SAD/6 has won the 1961 General Electric Edison Award---the position of Philmont depends heavily on the disposition of our members on and off the frequency---K3KUD in Turkey---W3PXY have West Phil Radio Club his talk on News---W3KXD just returned from tour of duty in Japan---program for April will be "RF" measurements---Franklin Institute Radio Club off to good start thanks to good job by W3CDY---K3GNW will be mobile with the snow car thanks to W3KDO who supplied a 10 meter converter---Our thanks to Elmer Junker for his fine program at February meeting come back again Elmer---FMRC members interested in getting together first Monday of the month for dinner in town then coming to meetings at the Institute contact W3UMK---Don't forget to bring your goodies to the next meeting---anything you care to donate to the club will be auctioned off---LNQ has a primarily horizontal antenna---so we hear---BBB visited ETA and took the opportunity to make a couple of comments on personnel of the Western Division---PWC is a handy guy to have around if your battery is low---eh Jon?---EM substituted for ADV on East Able Fox then called him first---IW still on Delaware County portion of E.A.F. net---LEM, QQH, and GBA discussing how to keep a log with minimum work for the type of operation we have on channel one---UMK and JYA on 2 meters---DJE reports that radio stole the show at dedication of new CD building in Plymouth Township---Ann Hecht XYL of WNC studying code and theory at Haverford school---WMO mobile in Volkswagen---CHZ served on Leviathan, George Washington, Virginia and W. K. Vanderbilt's yacht---Let's get CHZ and EZJ to trade sea stories---NIP off for skiing at Vermont---EZJ, GOW, UMK and Fran Ringer attended NPARC auction---Jonsey handled 78 items, 25 of which were meters---a meissner signal shifter went for \$3.00 a 200 watt homebrew all band rig went for \$35.00, and Jonesy was at his best selling sundry boxes and jewelry cases empty of contents---representatives of South Chester County Radio Club, Lehigh Valley ARC (Allentown) brought money---Jonesy frequently commented on the attendance of FMRC'ers---North Penn Banquet will feature ample quantities of succulent fare, plus dancing and will be held Sat. May 12th.

SWAP AND SHOP

For sale or swap for mobile Xmtr.

1 Elmac 4CX300A plus socket and chimney--brand new

W3VCE GR 2 9252

For Sale

Globe H1 bander 6 & 2 Xmtr. and companion VFO. 50 watts both bands K3GWJ

For Sale

Globe Chief Xmtr 90 watts like new \$50.00 W3WNC

For Sale

Two Navy DAV-2 handie-talkies (direction finders) less power supply.
with mike and ear set for 2.3----4.5 mc. \$15.00 each
Model S-50 5 inch oscilloscope--Paco \$45.00 Dick W3UMK

For Sale

Eico FM tuner HFT-90 \$33.00 (kit cost \$44.00) including cabinet.
Bogen 12 watt amplifier (not first class condition but operative) \$10.00
C. Dobsen Phone: WAverly \$ 0809 (or W3UMK)

For Sale

Here is your chance of a lifetime? !
Have you been looking for a high powered rig. Inexpensively priced is this
rack-mounted KW final, modulator, and power supply, fully TVI'D, self contained
class C kilowatt - AM and CW at the low price of \$350.00 All bands. AM and CW
easily converted for sideband operation! final employs pair of 4-400A's modulated by
pair of 250th's
See K3RWK 207 N. Harberth Ave. 29.493

For Sale

National 6 mtr converter, National 2 mtr. converter, 6 mtr. preamp. \$60.00
Ameco PV-144 preamp \$10.00
Heathkit Seneca transmitter 6 and 2 meter \$160.00
Plate modulator for Seneca xmtr homebrew from Fischer 60 watt amplifier \$35.00
E. T. Johnson SWR bridge with meter 52 ohm directional coupler \$25.00
Drake TV-1000LP filter \$10.00
Ohmite 52 ohm 100 watt dummy antenna model D-101 \$4.00
6 element 2 meter beam \$10.00
Heath AC voltmeter model A-V-2 \$10.00
Please write to: L. Dunbar 207 S. Sartain St. Phila. 7, Pa.

PHIL-MONT
TEK-NI-GRAM
JANUARY 1962

Modifications to the Heathkit
Reflected Power Meter-- W3WPD

The Heathkit AM-2 as designed and sold by the Heath Company is meant to be used on either 52 or 72 ohm transmission lines, but not both. The addition of a DPDT slide switch on the back of the cabinet makes it possible to select the proper resistors for either system by merely sliding the switch.

The two resistors connected to the pick-up lines are removed, and 4 wires ^{are} run in place of the resistors to the center or common connection on a DPDT switch. On one side of the DPDT switch run two 100 ohm resistors to ground. On the other side run two 150 ohm resistors to ground. (These resistors are supplied with the kit.)

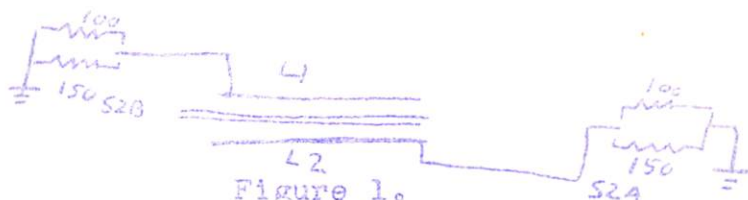


Figure 1.

TEK-NI-GRAM
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THE BLUES

A PHIL-MONT MOBILE RADIO
CLUB PUBLICATION
10 N. York Rd.
Willow Grove, Pa.
March 1942

TIME VALUE
Meeting Notice

Return postage guaranteed
Firm 357 requested